

# Recombinant Human CCL2/MCP-1 Protein

Catalog No.: RP01653

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	6347	P13500

### Tags

C-hFc

### Synonyms

HC11; MCAF; MCP1; MCP-1; SCYA2;  
GDCF-2; SMC-CF; HSMCR30; CCL2

## Product Information

Source	Purification
HEK293 cells	

### Endotoxin

<0.1EU/μg

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening.  
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.  
Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

## Background

Monocyte chemotactic protein-1 (MCP-1) (also referred to as chemokine (C-C motif) ligand 2 (CCL2) is expressed by mainly inflammatory cells and endothelial cells. MCP-1 has been reported to play an important role in the pathogenesis of atherosclerosis and considerable evidence supports that the monocyte containing MCPs and macrophage influences the growth of other cell types within the atherosclerotic lesion.

## Basic Information

### Description

Recombinant Human CCL2/MCP-1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu22-Thr99) of human CCL2/MCP-1 (Accession #NP\_002973.1) fused with and a hFc tag at the C-terminus.

### Bio-Activity

### Storage

Store the lyophilized protein at -20°C to -80°C for 12 months.  
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.  
Avoid repeated freeze/thaw cycles.

## Contact

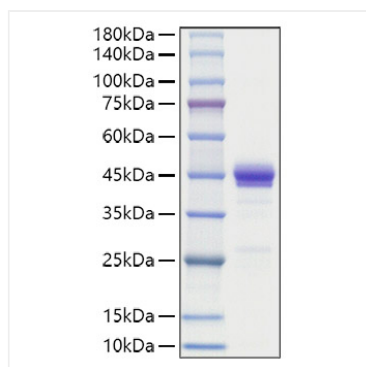
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## Validation Data

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Recombinant Human CCL2/MCP-1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 40 kDa.